

### DESCRIPTION

The Pyroban Protection System Caterpillar C9 Standard Kit, when fitted to the appropriate engine, is suitable for use in hazardous areas where explosive gases occur (ATEX directive 94/9/EC).

When properly installed, the kit provides protection to:

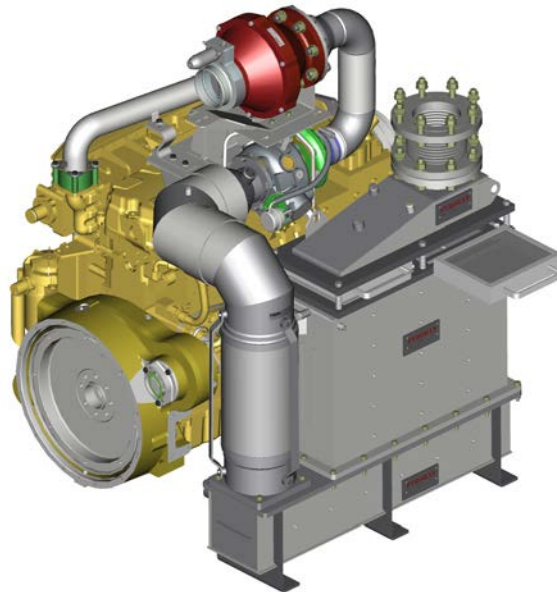
- Equipment Group: II
- Category: 3G
- Gas Group: IIA
- Temperature Class: T3

Conformance to the Temperature Class is dependent on ambient operating temperatures so the installed kit must be tested in a safe operating zone before use in a hazardous area.

For ambient operating temperatures above 45°C consult your customer services representative.

For further information refer to the Offshore Installation Manual OG003.

THIS EQUIPMENT MUST BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE PYROBAN OFFSHORE INSTALLATION MANUAL. FAILURE TO OBSERVE ANY INSTRUCTIONS IN THIS DATA SHEET MAY INVALIDATE ANY WARRANTY AGREEMENT



### TECHNICAL DATA

The Pyroban Protection System Caterpillar C9 Standard Kit comprises inlet and exhaust protection and is compatible with the following engine types:

Engine Make	Caterpillar
Engine Model	C9
Engine Performance	340 bhp @ 2200 rpm
Engine Feature Codes*	C09DW11, C09DW13, C09DW14, C09DW21, C09DW22

(\*Other engine feature codes may be applicable, please contact customer services or your engine dealer for confirmation)

Pyroban Protection System Caterpillar C9 Standard Kit technical details:

Heat Rejection to Coolant	140 kW
Coolant Volume of Pyroban Parts	51.2 ltrs
Exhaust System Pressure Drop	4.9 kPa
Maximum Ambient Operating Temperature	45°C
Spark Arrestor Noise Attenuation	18 dB(A)
Approximate Mass of Pyroban System (Dry)	847 kg
Approximate Mass of Pyroban System (Wet)	898 kg



#### Details of Variations:

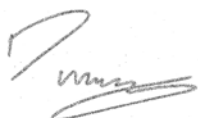
MECCATC9:340:22:SM:STD	Standard kit without spark arrester
MECCATC9:340:22:SM:STD1	Standard kit with spark arrester having inline inlet and exit.
MECCATC9:340:22:SM:STD2	Standard kit with spark arrester having right-hand side inlet (when viewed from inlet end) and inline exit.
MECCATC9:340:22:SM:STD3	Standard kit with spark arrester having left-hand side inlet (when viewed from inlet end) and inline exit.
MECCATC9:340:22:SM:STD4	Standard kit with spark arrester having lower side inlet (when viewed from inlet end) and inline exit.

#### ORDERING SPARE PARTS

Use only genuine Pyroban parts. Order spares or replacement parts directly from Pyroban quoting the Pyroban Part Number. Note that fitting of incorrect parts may invalidate certification.

#### DECLARATION OF CONFORMITY

We, Pyroban Limited, Dolphin Road, Shoreham-by Sea, Sussex, BN43 6QG, UK, declare that the component mentioned in this data sheet has been designed and manufactured in accordance with the essential health and safety requirements of Directive 94/9/EC (ATEX) inclusive of subsequent amendments.



David Waring CEng MIMechE  
Engineering Manager

#### OTHER INFORMATION

Nothing contained in this brochure is intended to extend any warranty or representation, expressed or implied, regarding the products described herein. Any such warranties or other terms and conditions of sale of products shall be in accordance with Pyroban's standard terms and conditions of sale for such products, which are available upon request. Specifications and machinery may be altered without notice at any time.

#### CONTACTS

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